THE DEPUTY MINISTER IN THE MINISTRY OF COAL (SHRI S. B. NYAMAGOUDAR): (a) No, Sir.

(b) Does not arise.

Coal production in the country

73. SHRI CHIMANBHAI MEHTA: Will the Minister of COAL be pleased to state:

(a) what has been the production of coal in the country during the last 3 years, year-wise;

(b) the extent to which modernisation has taken place in our coal mines and what is the production of coal per worker in India; and

(c) what is the difference in coal production per worker in modernised and pre-modernised segments?

THE DEPUTY MINISTER IN THE MINISTRY OF COAL (SHRI S. B. NYAMAGOUDAR): (a) Production of coal in the country during the last three years was as under:—

(In million tonnes)

Year	Production
1988-89	194.60
1989-90	200.89
1990-91	211.73

(b) and (c) Large mechanised mines have been planned in new areas where high capacity power shovels, heavy duty dumpers, etc. have been introduced for increasing production and productivity. In underground mines, powered support longwall, conventional longwall and new technology like shield mining blasting gallery etc. have been introduced for mining. They have all contributed to increased productivity in undeground mines.

Output per manshift (OMS) in CIL and SCCL during the last three years is as given below:—

(Figs. in tonnes)

Year	CIL	SCCL
1988-89	1.17	0.96
1989-90	1.21	0.99
1990-91	1.31	0.96

According to available information productivity of hand section segments and mechanisation segments in underground mines of Singareni Collieries Company Ltd. is as follows:

(Tonnes)

	OMS In Hand Section Segments (Mines)	OMS in Mechanised Segments UG (Mines)	Variation
1990-91	0.62	1.59	(+) 0.97

Pending Power Projects of Gujarat Government

74. SHRI CHIMANBHAI MEHTA: Will the Minister of POWER AND NON - CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) what are the power projects of the Gujarat Government which are pending for clearance with the Central Government and since when these are pending;

(b) what are the projects likely to be cleared by the end of this year; and

(c) what is the estimated expenditure of each project and their capacity?

THE MINISTER OF STATE (INDEPENDENT CHARGE) IN THE MINISTRY OF POWER AND NON-CONVENTIONAL ENERGY SOURCES (SHRI KALP NATH RAI): (a) and (c) The details and present status

of power projects received from Government of Gujarat and awiiting approval techno-economic clearance given below:—

Name of Project	Capacity (MW)	Date of receipt in CEA	Estimated Cost (Rs. in crores)	Present status
1	2	3	4	5
THERMAL				
1. Combined Cycle gas based plant at Gandhar	615	3/87	573.70	Techno-economic clearance of Central Electricity Authority (CEA) accorded on 30-10-89. This clearance has since been transferred from Gujarat Electricity Board to Gujarat-Indo-Petro Chemical Limited on 14-3-91. Linkage of gas is yet to be confirmed.
2. Pipava G.T. Combined Cycle plant	615	7/87	666.80	Techno-economic clearance of Central Electricity Authority (CEA) accorded on 30-10-89. This clearance has since been transferred from Gujarat Electricity Board to Gujarat-Indo-Petro Chemical Limited on 14-3-91. Linkage of gas is yet to be confirmed.
3. Narmada Stage I & II	4x500= 2000	5/82 (I)	1200.00	Coal linkage, environmental clearance etc. are yet to be tied up.
Stage I	2x500= 1000	7/87 (II) (revised)	1125 00 (revised)	
4. Sikka Stage -III	2x210= 420	10/86	441 50	Coal linkage, environmental clearance etc. are yet to be tied up.
5. Pipavav GTCC Stage-II	615	10/90	790.60	Under appraisal in CEA.
6. Utran GTCC Stage-II	315	10/90	215 00	Under appraisal in CEA.
7. Gandhinagar GTCC	200	7/90	299 00	Under appraisal in CEA.
8. Wanakbori GTCC	600	4/91	818 00	Under appraisal in CEA.
HYDRO				
9. Karjan LBC (revised)	2x1=2	10/90	5 50	Under appraisal in CEA.

(b) These schemes could be considered for techno-economic clearance after all the relevant requirements are fully complied with.